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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/832,959	04/12/2001	Moungi G. Bawendi	01997-273003	2525
26161 75	590 09/25/2003			
FISH & RICHARDSON PC			EXAMINER	
225 FRANKLIN ST BOSTON, MA 02110			CHIN, CHRISTOPHER L	
			ART UNIT	PAPER NUMBER
			1641	
			DATE MAILED: 09/25/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 09/832,959

Applicant(s)

Bawendi et al

Examiner

Chris Chin

Art Unit **1641**



<u> </u>	The MAILING DATE of this communication appears o	n the cover s	sheet with	the correspondence address	3
Period 1	or Reply		_		
THE N	ORTENED STATUTORY PERIOD FOR REPLY IS SET TAILING DATE OF THIS COMMUNICATION. ions of time may be available under the provisions of 37 CFR 1.136 (a). In plate of this communication.				THS from the
- If the p - If NO p - Failure - Any re	period for reply specified above is less than thirty (30) days, a reply within seriod for reply is specified above, the maximum statutory period will apply to reply within the set or extended period for reply will, by statute, cause ply received by the Office later than three months after the mailing date of patent term adjustment. See 37 CFR 1.704(b).	/ and will expire : the application t	SIX (6) MONT o become AB	ANDONED (35 U.S.C. § 133).	r. imunication.
Status					
1) 🗶	Responsive to communication(s) filed on Jul 16, 20	03			
2a) 🗌	This action is FINAL . 2b) 💢 This action	on is non-fir	ıal.		
3) 🗆	Since this application is in condition for allowance exclosed in accordance with the practice under Ex part	xcept for fo te Quayle, 1	rmal matt 1935 C.D	ers, prosecution as to the . 11; 453 O.G. 213.	merits is
Disposi	tion of Claims				
4) 💢	Claim(s) 69-77, 96-114, and 118-133			is/are pending in	the application.
4	la) Of the above, claim(s) 97, 100, 102, 103, 105-1	108, 118, 1	20, 121,	123 is/are withdrawn	from consideratio
5) 🗆	Claim(s)				
6) X	Claim(s) 69-77, 96, 101, 104, 109-114, 119, 122				ed.
7) 💢	Claim(s) 98, 99, 132, and 133				
	Claims				
	ntion Papers		_ •	•	
	The specification is objected to by the Examiner.				
10)	The drawing(s) filed on is/ard	e all acce	ented or I	objected to by the Ex	aminer.
10)	Applicant may not request that any objection to the di				
11)□	The proposed drawing correction filed on	awing(s) be	is: all	approved bill disapprov	ved by the Examine
111	If approved, corrected drawings are required in reply to				
12)	The oath or declaration is objected to by the Exami				
•	under 35 U.S.C. §§ 119 and 120				
	Acknowledgement is made of a claim for foreign pr	riority under	35 U.S.C	C. § 119(a)-(d) or (f).	
	☐ All b)☐ Some* c)☐ None of:				
-,	1. Certified copies of the priority documents hav	e been rece	ived.		
	2. Certified copies of the priority documents hav			plication No.	
	3. Copies of the certified copies of the priority de application from the International Burea	ocuments ha au (PCT Rul	ave been e 17.2(a))	received in this National S I.	tage
* 5	see the attached detailed Office action for a list of the				
14)	•				
_	The translation of the foreign language provisiona				
15)∐	Acknowledgement is made of a claim for domestic	priority und	er 35 U.S	5.C. 99 120 and/or 121.	
Attachn	nent(s) otice of References Cited (PTO-892)	4) Interview	v Summarv (F	PTO-413) Paper No(s)	
	otice of Draftsperson's Patent Drawing Review (PTO-948)			ent Application (PTO-152)	
_	oformation Disclosure Statement(s) (PTO-1449) Paper No(s).	6) Other:			

Application/Control Number: 09/832,959

Art Unit: 1641

DETAILED ACTION

Election/Restriction

1. Applicant's election without traverse of noncovalent interactions between the biological moiety and compositions in which the noncovalent interaction is a hydrophilic interaction and the biological moiety is protein, peptide or antibody (claims 69-77, 96, 98, 99, 101, 104, 109-114, 119, 122, 127-130, 132, and 133) in Paper No. 10 is acknowledged.

Claim Rejections - 35 U.S.C. § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in-
- (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or
- (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).
- 3. Claims 69-77, 96, 101, 104, 109-114, 119, 122, and 127-130 are rejected under 35 U.S.C. 102(e) as being anticipated by Weiss et al (U.S. Patent 5,990,479) or Weiss et al (U.S. Patent 6,423,551) for the reasons of record.

Application/Control Number: 09/832,959

Art Unit: 1641

In response to this rejection, Applicants argue that neither of the Weiss et al references

teach a nanocrystal with a quantum yield of greater than 10% in water.

Applicant's argument has been considered but is not convincing. While neither of the

Weiss et al references explicitly teach that their nanocrystals exhibit a quantum yield greater than

10% in water, such properties are inherent to the nanocrystal of Weiss et al since they are made

by the same materials as those taught in the instant specification. Example 3 on page 31 of the

instant specification teaches a nanocrystal with a core of CdSe and shell of ZnS. Both Weiss et al

references teach a nanocrystal composed of the same materials and thus should have the same

properties as the nanocrystals used in the instant invention, i.e. a quantum yield greater than 10%

in water.

Allowable Subject Matter

Claims 98, 99, 132, and 133 are objected to as being dependent upon a rejected base 4.

claim, but would be allowable if rewritten in independent form including all of the limitations of

the base claim and any intervening claims.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Chris Chin whose telephone number is (703) 308-3991. The examiner can

Art Unit: 1641

normally be reached on Monday-Thursday from 10:00 am to 7:30 pm. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long Le, can be reached on (703) 305-3399.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0196.

cchin/cc September 22, 2003

CHRISTOPHER L. CHIN PRIMARY EXAMINER GROUP 1800/49/

Christyl L. Chi